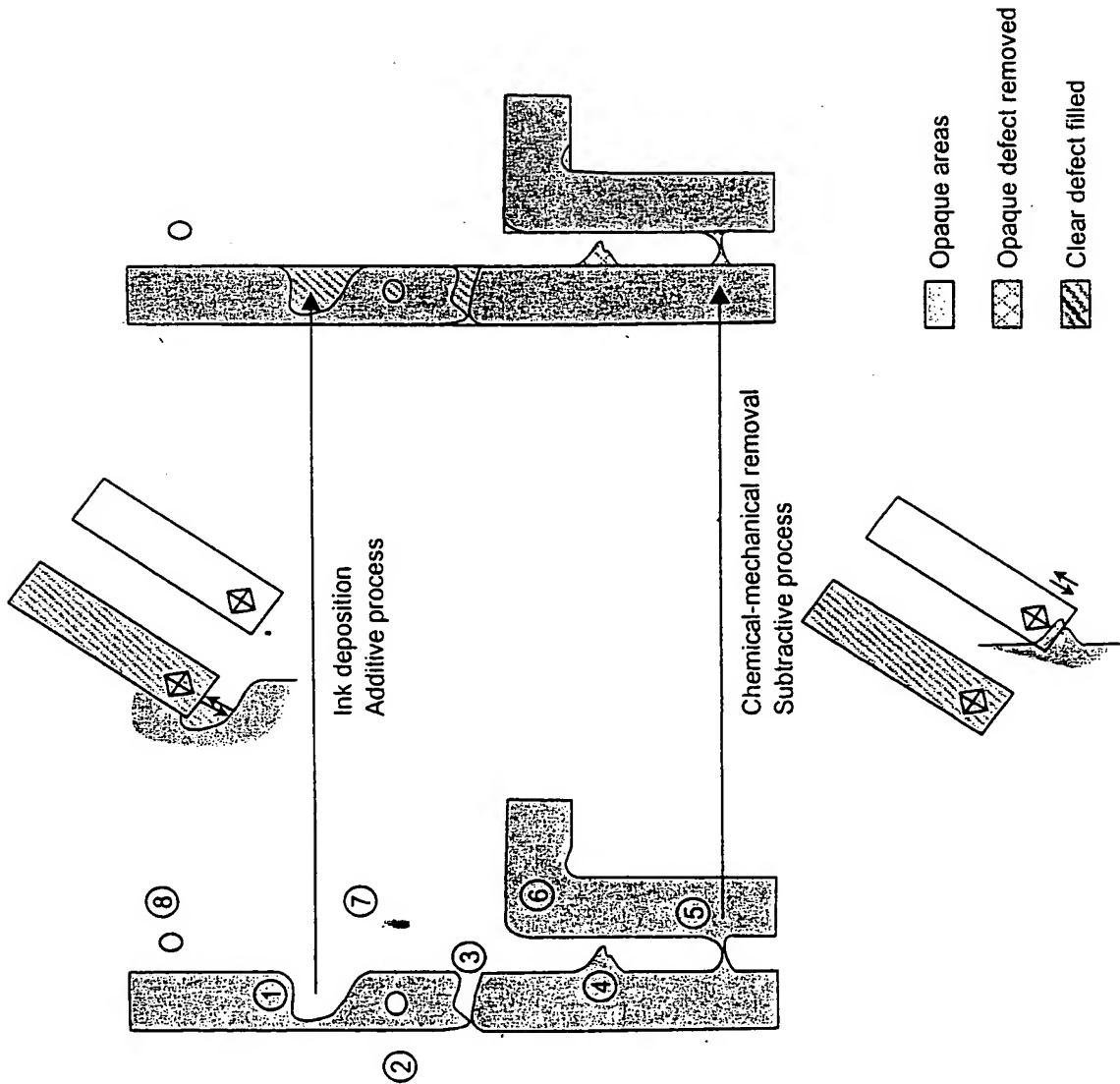


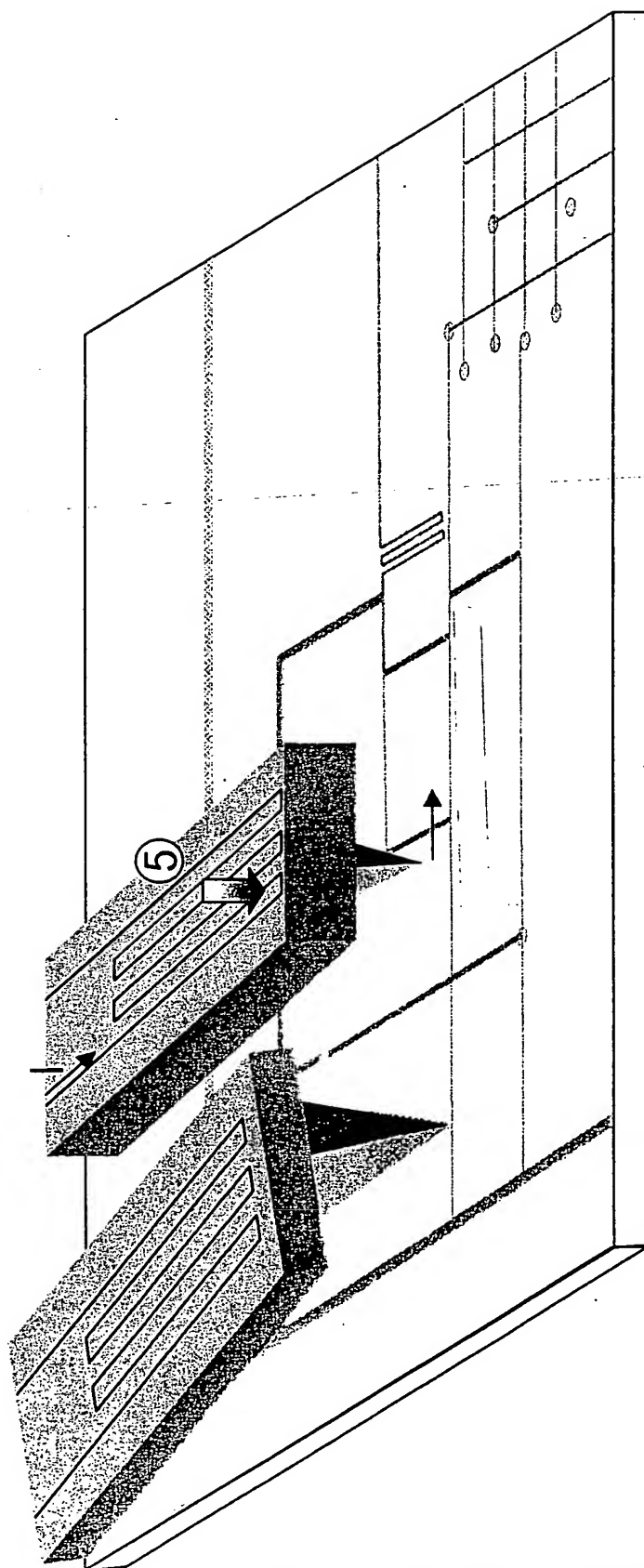
**Figure 1**



Replacement Sheet  
 Inventor(s): Percy Van Crocker et al.  
 Appl. No.: 10/689,547



**Figure 3B**



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# Lines in the Feature

These three lines were created, one exactly alongside the defect edge. The dimensions for the lines starting from left are:

- 1.H 15 nm W 162 nm T 6 min
- 2.H 10 nm W 150 nm T 5 min
- 3.H 5 nm W 138 nm T 4 min

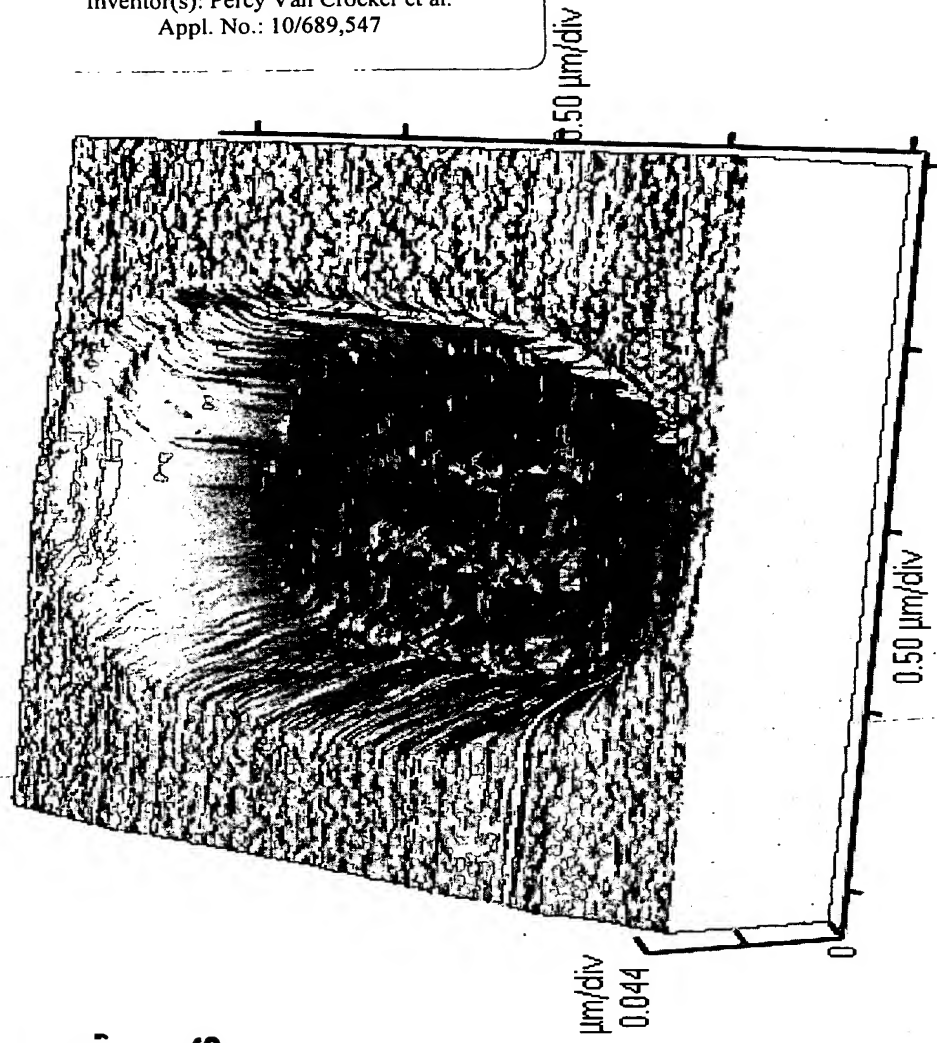


Figure 19

# Sol-Gel in Features by FIBICS

Replacement Sheet  
Inventor(s): Percy Van Crocker et al.  
Appl. No.: 10/689,547

An attempt to fill up a hole in features made with FIB. The average height of the feature deposited is 46 nm. A  $\text{SiN}_3$  tip was used in this experiment.

Sol-Gel composition same as mentioned before. Dwelling time was 14 min. The deposited structure were cured at  $120^\circ\text{C}$  for 6 min.

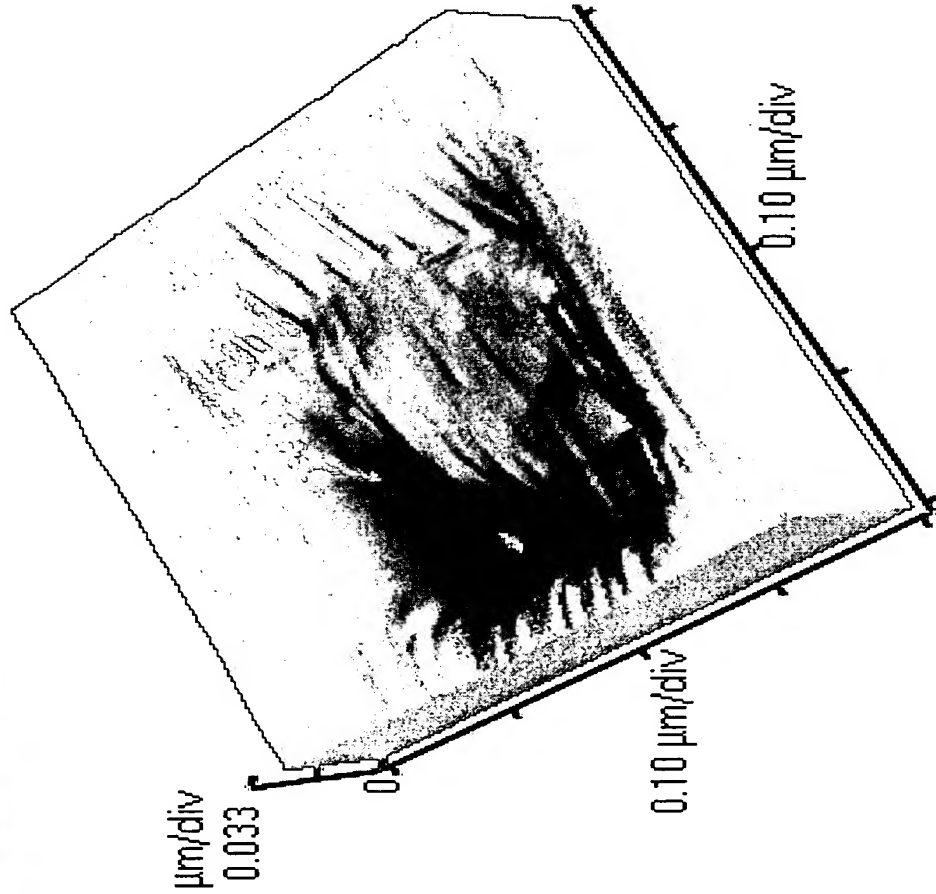


Figure 21

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